

# PATENT SPECIFICATION

DRAWINGS ATTACHED

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## COMPLETE SPECIFICATION

### Floor Coverings

We, TRIANGELER DAMMSTOFFWERK HERMANN KOEHLER, a German Firm, of Triangel, Gifhorn, Germany, do hereby declare the invention for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:—

The invention relates to floor coverings.

The invention provides a floor covering in which, with the interposition of layer of binding agent in each case, a flexible, heavy, sound-damping layer, for example of bitumen or asphalt with miscible additives, which carries a pressure-equalising layer of hardboard and is protected from liquid media, particularly corrosive media, by a barrier layer, for example by a foil or a film of plastics material, which is covered by a decorative layer, preferably of textile or synthetic fibres or the like, is applied to a heat-insulating layer of cork, foam plastics or the like.

A cuttable layer, for example a needle felt or velour, which ensures simple and neat laying as a result of the fact that no fraying of its edges occurs on cutting, may appropriately serve as a decorative layer.

The new covering is conveniently provided as a carpet tile, which lies particularly flat on the floor without being able to slide sideways up the walls for example, if a stiffening insert, for example a steel or plastics net, is embedded in the sound-damping layer.

An embodiment of the invention is explained by way of example with reference to the accompanying drawings.

According to this, a floor covering in the form of a carpet tile or a carpet floor is formed from five layers. The lower layer is heat-insulating and consists of cork, foam plastics or the like. The layer above it is yielding and heavy, and consists of bitumen or asphalt with miscible additives

and accordingly has high sound-damping properties. On this there is provided a pressure-equalizing layer 3 of hardboard. The layer 4 above that is formed by a foil or a film of plastics material and serves as a barrier layer against liquids, particularly those of an aggressive nature. The top layer 5 fulfils decorative purposes and consists of textile or synthetic fibres. These layers are united to one another by layers of adhesive 6—9.

As indicated in broken lines in the drawing, a stiffening insert 10, consisting of a steel or plastics net, is embedded in the sound-damping layer 2 in the example.

Such a tile or a corresponding carpet offers the advantage that all the necessary components therefor are united in a single piece. As a result, they can be prepared and laid in a single operation. At the same time, such a piece has a high specific weight which leads to a correspondingly high sound damping. In addition, because of its inherent weight it lies reliably on the floor without slipping, without additional holding members or binding agents being necessary.

#### WHAT WE CLAIM IS:—

1. A floor covering, in which, with the interposition of layer of binding agent in each case, there is provided on a heat-insulating layer of cork or foam plastics material, a yielding, heavy sound-damping layer, for example of bitumen or asphalt with miscible additives, which carries a pressure-equalizing layer of hardboard and is protected from liquid media, particularly corrosive media, by a barrier layer, for example by a foil or a film of plastics material, which is covered by a decorative layer, preferably of textile or synthetic fibres or the like.

2. A covering as claimed in Claim 1, in which a cuttable layer, for example a needle felt or velour, serves as the decorative layer.

3. A covering as claimed in Claim 1 or

[Price 4s. 6d.]

Claim 2, in which a stiffening insert, for example a metal or plastics net, is embedded in the sound-damping layer.

4. A floor covering substantially as described and shown in the accompanying drawings.

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COMPLETE SPECIFICATION

1 SHEET

This drawing is a reproduction of  
the Original on a reduced scale

